

regulated original image.

B1  
62. The image processing device of claim 61 wherein Reference Components generating means finds said edge extraction filters corresponding to respective direction from the sub-band components situated in the low frequency area of said transformed image.

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REMARKS

Please amend claims Claims 60-62. A marked-up version of the changes to the claims is attached hereto. Entry of this Preliminary Amendment is respectfully requested.

Respectfully submitted,

MCDERMOTT, WILL & EMERY



Stephen A. Becker  
Registration No. 26,527

600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005-3096  
(202)756-8000 SAB:mlw  
Facsimile: (202)756-8087  
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MARKED-UP VERSION OF THE CLAIMS

IN THE CLAIMS:

Please amend claims 60-62 as follows:

60. The image processing device of claim [46] 47 wherein said Enlarging Object Images means comprising:

Edge generating means for generating edge images – in a plurality of specific directions – of an image regulated by said Inputted Images regulating means, and

Leveling up means for generating an image having four times as many picture elements by regarding said respective edge images and said regulated original image as sub-band components in Wavelet transform and by performing inverse Wavelet transform on said sub-band components.

61. The image processing device of claim [46] 47 wherein said Enlarging Object Images initializing means comprising:

Input fine-adjustment means for re-regulating the numbers of the picture elements of said regulated original image in the horizontal direction and the vertical direction to multiples of 2,

Leveling down means for generating a transformed image by performing Wavelet transform on said re-regulated original image,

Reference Components generating means for generating edge images – in a plurality of said specific directions – from a plurality of sub-band components situated in the of said transformed image,

Correction estimating means for finding the relation between said respective edge

images and the sub-band components belonging to the low frequency area corresponding to said specific directions of said transformed images,

Edge generating means for generating edge image – in plurality of specific direction – of image re-regulated by said Input fine-adjustment means,

Component estimating means for estimating the respective sub-band components in Wavelet transform by correcting said respective edge image of re-regulated original image according to the results of said correction estimating means, and

Leveling up means for generating an enlarged image having four times as many picture elements by performing inverse Wavelet transform on said respective sub-band components and said re-regulated original image.

62. The image processing device of claim [50] 61 wherein Reference Components generating means finds said edge extraction filters corresponding to respective direction from the sub-band components situated in the low frequency area of said transformed image.